## PROJECT DESCRIPTION EQUIPMENT LIST "A" GENERAL A. EQUIPMENT TO BE SUPPLIED BY SHA THIS PROJECT INVOLVES THE INSTALLATION OF A SCHOOL HAZARD IDENTIFICATION BEACON ON EASTBOUND AND WESTBOUND MD 547 (STRATHMORE BLVD.). CREATING A SCHOOL ZONE THAT WILL ENCOMPASS THREE GRADE SCHOOLS. HOLY CROSS ACADEMY. HOLY CROSS SCHOOL AND GARRETT PARK ELEMENTARY IN MONTGOMERY COUNTY. MD 547 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION. ITEM NO. QUANTITY DESCRIPTION TWO CIRCUIT FLASHER UNIT WITH PHOTOCELL, DIMMER SWITCH AND INTERSECTION MONITOR II WITH BATTERY BACK-UP FOR PHONE DROP HOUSED IN A NEMA SIZE "5" POLE MOUNTED CABINET. 9080 2 EACH INTERSECTION OPERATION THE HAZARD IDENTIFICATION BEACONS WILL OPERATE IN A FLASHING MODE DURING SCHOOL OPENING AND DISMISSAL PERIODS. 9089 73 S.F. SHEET ALUMINUM SIGNS TO CONSIST OF : - 2 EACH S5-1 SIGN (36 IN. x 72 IN.) - PEDESTAL MOUNT CONTROLLER REQUIREMENTS - 1 EACH S5-2 SIGN (24 IN. x 30 IN.) - GROUND MOUNT INSTALL TWO-CIRCUIT FLASHER UNIT WITH PHOTOCELL. DIMMER SWITCH AND INTERSECTION MONITOR WITH BATTERY BACKUP FOR PHONE DROP AND ASSOCIATED HARNESSES HOUSED IN A NEMA SIZE "5" POLE MOUNTED CABINET. \$1-1 SIGN (36 IN. x 36 IN.). \$4-3 SIGN (36 IN. x 12 IN.) AND \$4-4(1) SIGN (15 IN. x 30 IN.) - GROUND MOUNT - 2 EACH SPECIAL NOTE UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF SHA AT (410) 787-7635 TO ARRANGE FOR THE PHONE LINE INSTALLATIONS. THE CONTRACTOR IS TO PROVIDE MR. SNYDER THE NEAREST STREET ADDRESS, ZIP CODE AND PHONE NUMBER. EQUIPMENT LIST "C" MAINTENANCE OF TRAFFIC THE FOLLOWING MINUMUM TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT. NO EQUIPMENT TO BE REMOVED AND RETURNED TO SHA STANDARD NO. MD-104.00 - 104.00-12 STANDARD NO. MD-104.31-01 (FLAGGING OPERATION) STANDARD NO. MD-104.33-01 (SHOULDER WORK) STANDARD NO. MD-104.35-01 (LANE SHIFT) PROJECT CONTACTS THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS: MR. LEE STARKLOFF, MONTGOMERY PHONE: (301) 513-7368 ASSISTANT DISTRICT ENGINEER - TRAFFIC MR. WILHELM DERMINASSIAN MONTGOMERY COUNTY TMC PHONE: (240) 777-8795 MR. WAYNE MOWDY ASSISTANT DISTRICT ENGINEER - MAINTENANCE PHONE: (301) 513-7304 MR. RICHARD L. DAFF. SR. CHIEF. TRAFFIC OPERATIONS DIVISION PHONE: (410) 787-7630 MR. AUGIE REBISH DISTRICT UTILITY ENGINEER PHONE: (301) 513-7350 WIRING DIAGRAM

## EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

TEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
2002	2 C.Y.	TEST PIT EXCAVATION
6005	35 S.F.	4 IN. CONCRETE SIDEWALK
8001	2 C.Y.	CONCRETE FOR SIGNAL FOUNDATION
8019	2 EACH	INSTALL BREAKAWAY PEDESTAL POLE (ANY SIZE)
8028	5 S.F.	RELOCATE SIGN
8037	370 L.F.	CABLE - 1 CONDUCTOR, NO 4/0 A.W.G.
8042	53 L.F.	WOOD SIGN SUPPORTS 4 INCH X 4 INCH
8044	80 L.F.	FURNISH AND INSTALL NO. 6 A.W.G. STRANDED BARE COPPER GROUND WIRE
8050	20 L.F.	FURNISH AND INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8051	65 L.F.	FURNISH AND INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8058	2 EACH	METERED SERVICE PEDESTAL
8062	110 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE 1-CONDUCTOR NO. 8 A.W.G THHN/THWN
8067	2 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8069	37 S.F.	INSTALL GROUND MOUNTED SIGN
8070	36 S.F.	INSTALL OVERHEAD SIGN
8091	8 EACH	FURNISH AND INSTALL GROUND ROD - 3/4 IN. DIAMETER x 10 FT. LENGTH
8093	4 EACH	FURNISH AND INSTALL 12 IN. VEHICULAR TRAFFI SIGNAL HEAD SECTION
8100	160 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 3 CONDUCTOR (NO. 14 A.W.G.)
8111	2 EACH	INSTALL CONTROLLER AND CABINET - POLE MOUNT



EASTBOUND MD 547 - HIB

WESTBOUND MD 547 - HIB

WIRING KEY

G STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.).)

1-CONDUCTOR ELECTRICAL CABLE (NO. 4/O A.W.G.)

PS - PROPOSED UNDERGROUND ELECTRICAL SERVICE

PT - PROPOSED UNDERGROUND TELEPHONE SERVICE

+ - 34 IN. X 10 FT. GROUND ROD

LARSA Whitman, Requardt

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION GENERAL INFORMATION SHEET MD 547 (STRATHMORE BLVD.) HAZARD IDENTIFICATION BEACONS

and Associates. LLP DRAWN BY: S. BLOSS 801 South Caroline Street Baltimore, Maryland 21231 (410) 235-3450 SCALE: DATE: 6/6/2005

CHECKED BY: N. LEARY YBY

S.H.A. NO. AT7185185 COUNTY: MONTGOMERY LOG MILE:

SHEET NO. T.I.M.S. NO.

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